## Contents of Agricultural Water Management, Volume 44

VOL. 44 NOS. 1-3	MAY	2000
Special Issue: Pesticide Leaching Modelling Validation A European Experience		
Introduction		ix
A European test of pesticide-leaching models: methodology and major recommendations M. Vanclooster (Louvain-la-Neuve, Belgium), J.J.T.I. Boesten (Wageningen, Netherlands), M. Trevisan (Piacenza, Italy), C.D. Brown (Bedfordshire, UK), E. Capri (Piacenza, Italy), O.M. Eklo (Fellesbygget, Norway), B. Gottesbüren (Limburgerhof, Germany), V. Gouy (Lyon, France) and A.M.A. van der Linden		
(Bilthoven, Netherlands)		1
J.J.T.I. Boesten and L.J.T. van der Pas (Wageningen, The Netherlands) The Weiherbach data set: An experimental data set for pesticide model testing on the field scale		21
I. Schierholz (Karlsruhe, Germany), D. Schäfer (Frankfurt am Main, Germany) and O. Kolle (Karlsruhe, Germany)		43
R. Francaviglia (Rome, Italy) and E. Capri (Piacenza, Italy)		63
G.L. Harris (Mansfield, UK), J.A. Catt, R.H. Bromilow (Harpenden, UK) and A.C. Armstrong (Mansfield, UK)		75
A. Armstrong (Mansfield, UK), K. Aden (Braunschweig, Germany), N. Amraoui (Orléans, Germany), B. Diekkrüger (Bonn, Germany), N. Jarvis (Uppsala, Swede C. Mouvet (Orléans, France), P. Nicholls (Herpenden, UK) and C. Wittwer (Orléans, France)	en),	85
Application of pesticide simulation models to the Vredepeel dataset. I. Water, solut and heat transport		00
M. Vanclooster (Louvain-la-Neuve, Belgium) and J.J.T.I. Boesten (Wageningen, Netherlands)		105
Application of pesticide leaching models to the Vredepeel dataset. II Pesticide fate A. Tiktak (Bilthoven, Netherlands)		119

Comparing and evaluating pesticide leaching models: results for the Tor Mancina	
data set (Italy)  P. Francoviclia (Roma Italy) F. Capri (Piacappa Italy) M. Klain	
R. Francaviglia (Rome, Italy), E. Capri (Piacenza, Italy), M. Klein	
(Schmallenberg, Germany), J. Hosang (Basel, Switzerland), K. Aden (Limburgerhof, Germany), M. Trevisan and G. Errera (Piacenza, Italy)	135
Comparison of pesticide leaching models: results using the Weiherbach data set	13.
B. Gottesbüren, K. Aden (Limburgerhof, Germany), I. Bärlund (Helsinki, Finland),	
C. Brown (Bedford, UK), M. Dust (Jülich, Germany), G. Görlitz (Frankfurt am Main, Germany), N. Jarvis (Uppsala, Sweden), S. Rekolainen (Helsinki, Finland)	
***	150
and H. Schäfer (Leverkusen, Germany)	153
CRACK-NP: a pesticide leaching model for cracking clay soils	
A.C. Armstrong, A.M. Matthews, A.M. Portwood (Mansfield, UK), P.B. Leeds-	101
Harrison (Bedford, UK) and N.J. Jarvis (Uppsala, Sweden)	183
Simulation of soil water, bromide and pesticide behaviour in soil with the	
GLEAMS model  S. Bekeleinen (Heleinki Finland), V. Geny (Lyon, France), B. Francevickie	
S. Rekolainen (Helsinki, Finland), V. Gouy (Lyon, France), R. Francaviglia	201
(Rome, Italy), OM. Eklo (Ås, Norway) and I. Bärlund (Helsinki, Finland)	201
Simulation of water and solute transport in field soils with the LEACHP model	
M. Dust (Forschungszentrum Jülich GmbH, Germany), N. Baran (Laon, France),	
G. Errera (Piacenza, Italy), J.L. Hutson (Adelaide, Australia), C. Mouvet	
(Orléans, France), H. Schäfer (Leverkusen/Bayerwerk, Germany), H. Vereecken	226
(Forschungszentrum Jülich GmbH, Germany) and A. Walker (Warwick, UK)	225
Sources of error in model predictions of pesticide leaching: a case study using	
the MACRO model	
N.J. Jarvis (Uppsala, Sweden), C.D. Brown (Bedford, UK) and E. Granitza	247
(Frankfurt, Germany)	247
Comparing and evaluating pesticide leaching models. Results of simulations with PELMO M. Klein (Schmallenberg, Germany), J. Hosang (Basel, Switzerland), H. Schäfer	
(Leverkusen-Bayerwerk, Germany), B. Erzgräber and H. Resseler	263
(Frankfurt, Germany)	203
Testing PESTLA using two modellers for bentazone and ethoprophos in a sandy soil	
J.J.T.I. Boesten (Wageningen, Netherlands) and B. Gottesbüren (Limburgerhof, Germany)	283
Simulation of pesticide leaching at Vredepeel and Brimstone farm using the	203
macropore model PLM	
P.H. Nicholls (Herpenden, UK), G.L. Harris (Notts, UK) and D. Brockie	
(Herpenden, UK)	307
Modelling ethoprophos and bentazone fate in a sandy humic soil with primary	307
pesticide fate model PRZM-2	
M. Trevisan, G. Errera (Piacenza, Italy), G. Goerlitz (Frankfurt am Main, Germany),	
B. Remy (Fleury les Aubrais, France) and P. Sweeney (Berkshire, UK)	317
Modeling pesticide dynamics of four different sites using the model system SIMULAT	317
K. Aden (Limburgerhof, Germany) and B. Diekkrüger (Bonn, Germany)	337
Modelling pesticide leaching in a sandy soil with the VARLEACH model	331
M. Trevisan, G. Errera (Piacenza, Italy), C. Vischetti (Perugia, Italy) and	
A. Walker (Warwick, UK)	357
Evaluation of pesticide dynamics of the WAVE-model	331
M. Vanclooster (Louvain-la-Neuve, Belgium), S. Ducheyne (Leuven, Belgium),	
M. Dust (Nambsheim, France) and H. Vereecken (Jülich, Germany)	371
Modeller subjectivity in estimating pesticide parameters for leaching models using	3/1
the same laboratory data set	
J.J.T.I. Boesten (Wageningen, Netherlands)	389
J.J. Doesten (Wageningen, Petherlands)	309
Contents of Agricultural Water Management, Volume 44	411